

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
29 September 2005 (29.09.2005)

PCT

(10) International Publication Number  
WO 2005/089043 A2

(51) International Patent Classification: Not classified

(21) International Application Number: PCT/GB2005/001142

(22) International Filing Date: 18 March 2005 (18.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 0406215.4 19 March 2004 (19.03.2004) GB

(71) Applicant (for all designated States except US): PROCURE THERAPEUTICS LIMITED [—/GB]; Innovation Centre, York Science Park, York YO10 5DG (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): MAITLAND, Norman [GB/GB]; Cancer Research Unit, Biology Department, The University of York, York YO10 5YW (GB). COLLINS, Anne [GB/GB]; Cancer Research Unit, Biology Department, The University of York, York YO10 5YM (GB).

(74) Agent: HARRISON GODDARD FOOTE; 31 St Saviourgate, York YO1 8NQ (GB).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2005/089043 A2

(54) Title: PROSTATE STEM CELL

(57) Abstract: We describe a method for the isolation of prostate stem cells, typically prostate cancer stem cells which express CD 133 antigen; stem cells and cancer stem cells isolated by the method and their use.